



iPhone 6s Plus Front Panel Replacement

Replace just the front panel—not including the home button assembly, front-facing camera and sensor assembly, or earpiece speaker—in an iPhone 6s Plus.

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INTRODUCTION

Use this guide to replace a cracked or broken screen in an iPhone 6s Plus. This includes removing the front-facing camera and sensor assembly, display EMI shield, and home button assembly—all of which should be transferred to your new front panel. To replace the entire display assembly instead, follow [this much shorter guide](#).

Please note: it's important to transfer the original home button onto the new display in order for Touch ID (fingerprint scanning) to function.

You can also reference this guide to replace the following parts:

- Earpiece speaker mesh
- [LCD shield plate](#)
- LCD shield plate sticker



TOOLS:

- [P2 Pentalobe Screwdriver iPhone](#) (1)
- [Suction Handle](#) (1)
- [Spudger](#) (1)
- [Tweezers](#) (1)
- [Phillips #000 Screwdriver](#) (1)
- [iFixit Opening Tools](#) (1)




PARTS:

- [iPhone 6s Plus LCD Screen and Digitizer](#) (1)
- [NuGlas Tempered Glass Screen Protector for iPhone 6 Plus 6s Plus 7 Plus](#) (1)
- [iPhone 6s Plus Earpiece Speaker Mesh](#) (1)
- [iPhone 6s Plus LCD Shield Plate](#) (1)
- [iPhone 6s Plus LCD Shield Plate Sticker](#) (1)

Step 1 — Pentalobe Screws




 Before disassembling your iPhone, discharge the battery below 25%. A charged lithium-ion battery can catch fire and/or explode if accidentally punctured.

- Power off your iPhone before beginning disassembly.
- Remove the two 3.4 mm Pentalobe screws on either side of the Lightning port.

Step 2 — Opening Procedure



 Opening the display on the 6s Plus separates a thin strip of adhesive around the perimeter of the display. If you prefer to replace the adhesive, have a set of new adhesive strips ready before you continue. It's possible to complete the repair without replacing the adhesive, and you probably won't notice any difference in functionality.

- Apply a suction cup to the lower left corner of the display assembly.

Step 3



- Pull up on the suction cup with firm, constant pressure to create a slight gap between the front panel and rear case.

⚠ Pulling too hard may damage the display assembly. Apply just enough pressure to create a small gap between the display assembly and the rear case.

Step 4



- The safest place to pry from is the notch in the front panel above the headphone jack.
- While still maintaining pressure on the suction cup, insert the flat tip of a spudger into the gap, directly above the headphone jack.

Step 5



- Twist the spudger to widen the gap between the front panel and the rear case.

Step 6



- While firmly pulling up on the suction cup, slide the edge of the spudger under the bottom left corner of the display.

Step 7



- Slide the tip of the spudger up the left side of the phone, between the front panel and the rear case.

Step 8



- Insert the flat tip of the spudger under the right edge of the display.
- Slide the spudger up the right side.

Step 9



- Use a plastic opening tool to hold down the rear case while pulling up the suction cup to open the phone.

⚠ Do **not** remove the display completely, or you will damage the data cables connecting the display near the top edge of the iPhone.

Step 10



- Pull up on the small nub on the suction cup to remove it from the display.

Step 11



- Gently grasp the display assembly and lift it up to open the phone, using the clips at the top of the front panel as a hinge.
- Open the display to about a 90° angle, and lean it against something to keep it propped up while you're working on the phone.
- ⚠ Don't open the display more than 90°—it is still connected to the top of the phone by the display, digitizer, and front camera cables which can tear easily.
- Add a rubber band to keep the display securely in place while you work. This prevents undue strain on the display cables.
- ⓘ In a pinch, you can use an unopened canned beverage to support the display.

Step 12 — Battery Connector



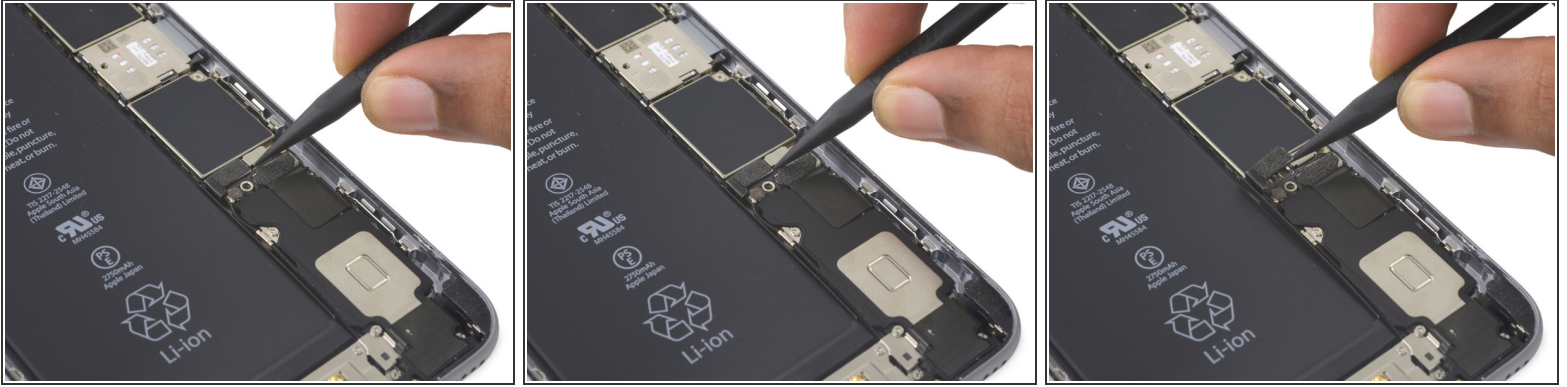
- Remove the following Phillips screws securing the battery connector bracket to the logic board:
 - One 2.9 mm screw
 - One 2.3 mm screw

Step 13



- Remove the battery connector bracket.

Step 14



- Use the pointed tip of the spudger to disconnect the battery connector from the logic board.

Step 15



- Bend the connector back to ensure it doesn't make contact and power the iPhone on while you're working on it.

Step 16 — Display Assembly



- Remove the following Phillips screws:
 - Three 1.3 mm screws
 - One 1.6 mm screw
 - One 3.0 mm screw
- ☑ During reassembly, it's critical to place this 3.0 mm screw in the top-right corner of the bracket. Placing it anywhere else may damage the logic board.

Step 17



- Remove the display cable bracket.

Step 18



 Be careful to only pry up on the connector itself and not the socket on the logic board.

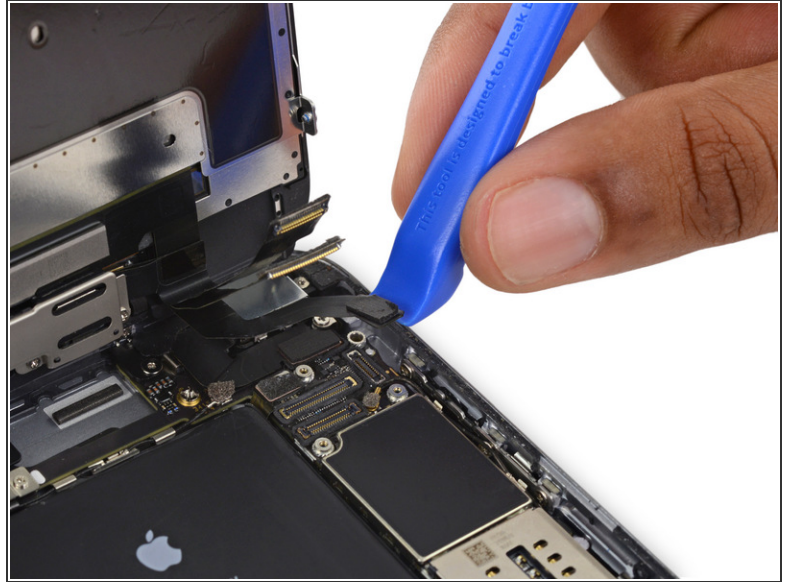
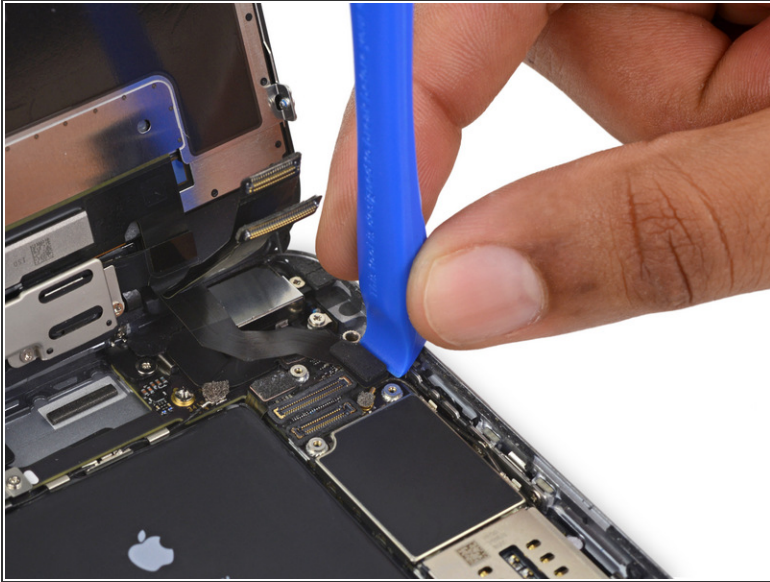
- Use a plastic opening tool to disconnect the front-facing camera and sensor cable connector.

Step 19



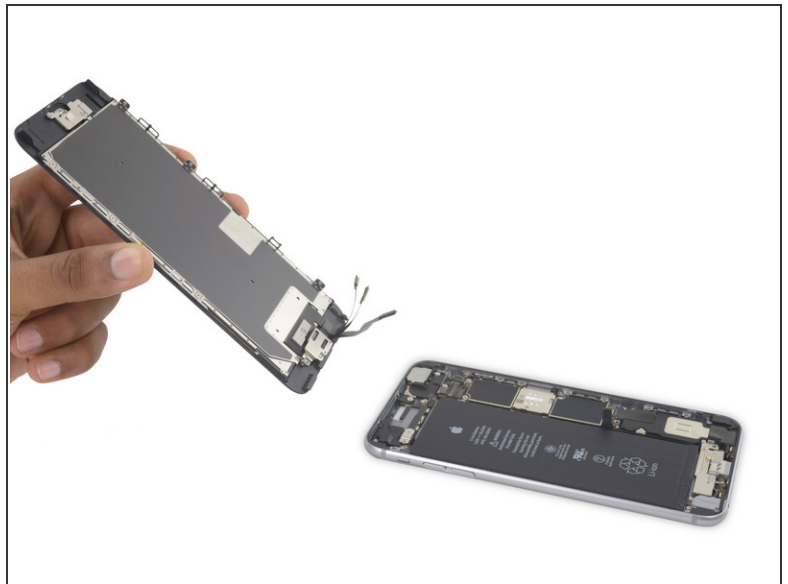
- Use a plastic opening tool to disconnect the digitizer cable by prying it straight up from its socket on the logic board.
- ✦ When reconnecting the digitizer cable, **do not press the center of the connector**. Press one end of the connector, then press the opposite end. Pressing in the center of the connector can bend the component and cause digitizer damage.

Step 20



- Use a plastic opening tool to disconnect the display data cable by prying it straight up from its socket on the logic board.

Step 21



- Remove the display assembly.
- ☑ During reassembly, pause here if you wish to [replace the adhesive around the edges of the display](#).

Step 22 — Home Button Assembly



- Remove the two 1.9 mm Phillips screws securing the home button bracket.

Step 23



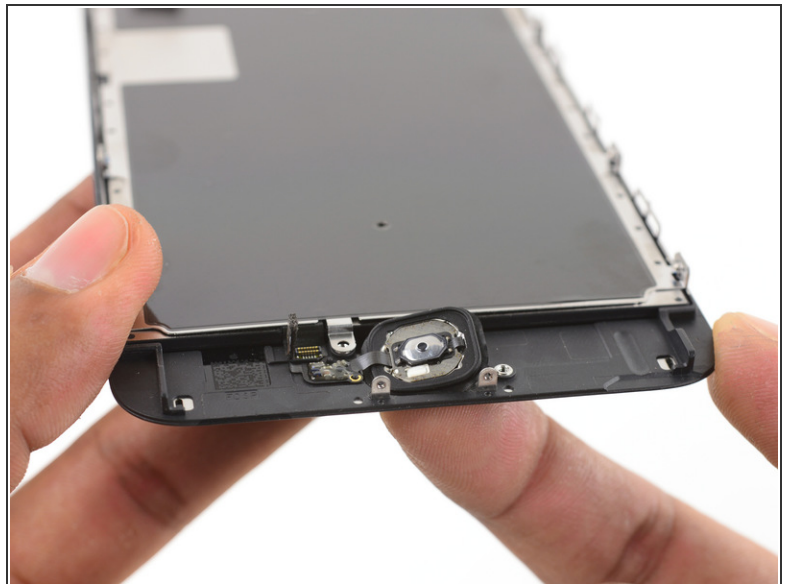
- Remove the home button bracket.


Step 24



- Use the pointed tip of a spudger to disconnect the home button cable from its connector on the display assembly.

Step 25



- Using your fingertip, gently press up on the home button from the front side of the display assembly to slowly separate the home button's rubber gasket from the front panel.
 The gasket is very thin and will tear easily. Apply steady pressure and give it time to separate.

Step 26



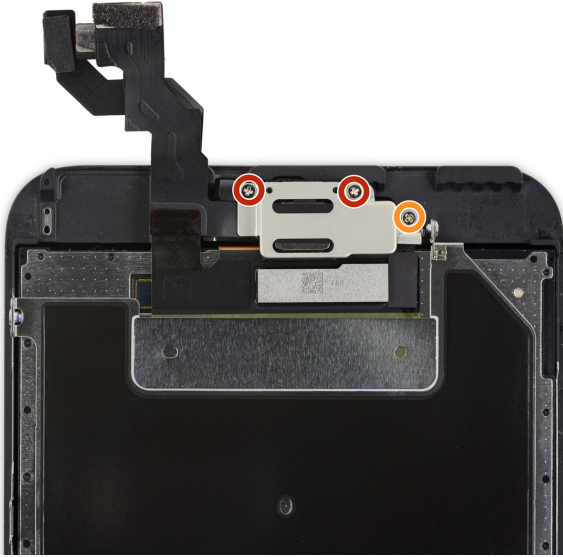
- Use the pointed end of a spudger to pry the lightly-adhered home button flex cable off the display assembly.

Step 27



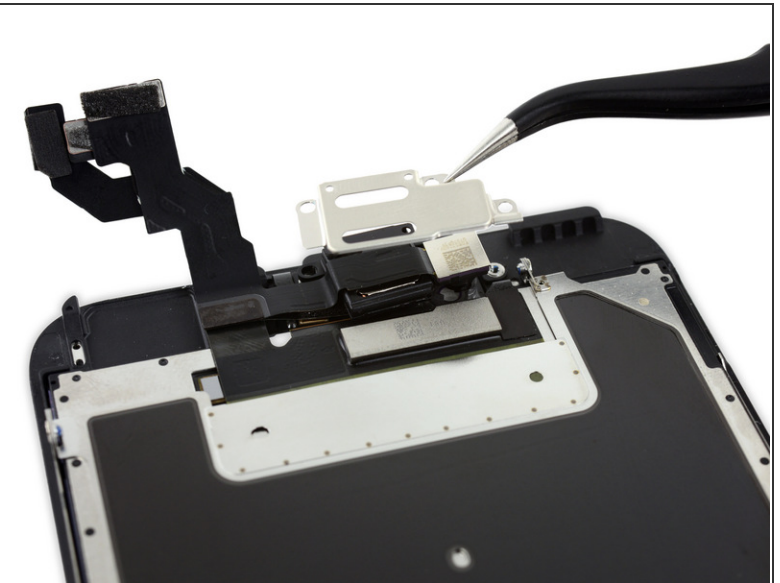
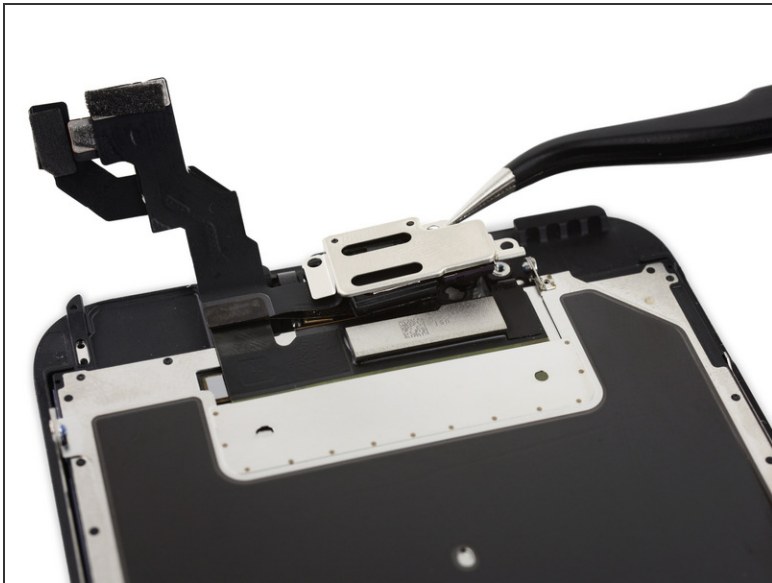
- Remove the home button assembly.

Step 28 — Earpiece Speaker



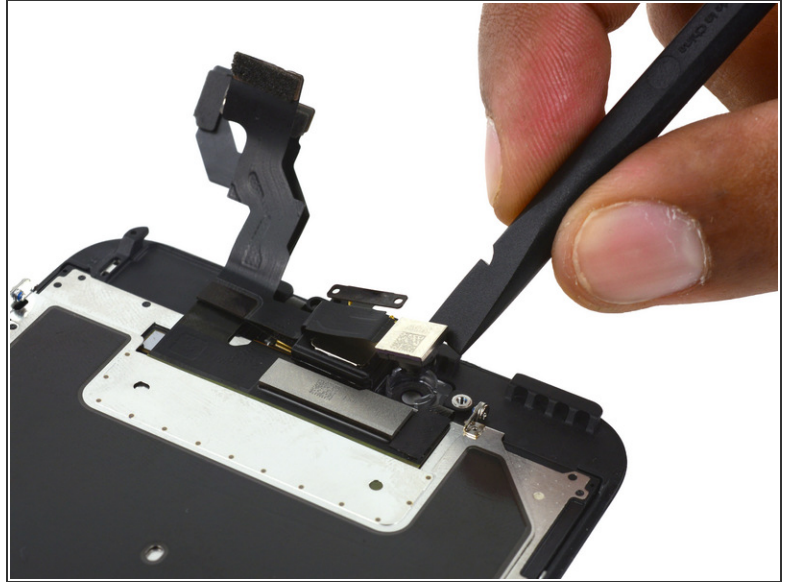
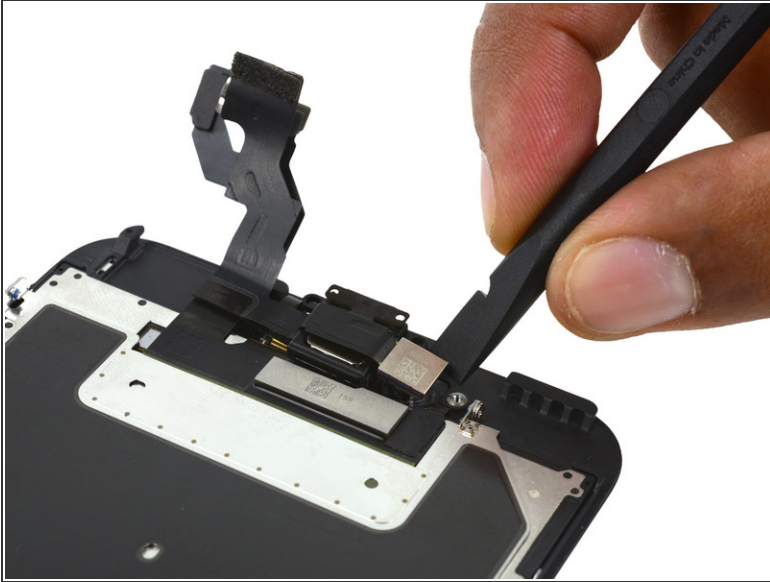
- Remove the following three Phillips screws:
 - Two 2.7 mm screws
 - One 1.4 mm screw

Step 29



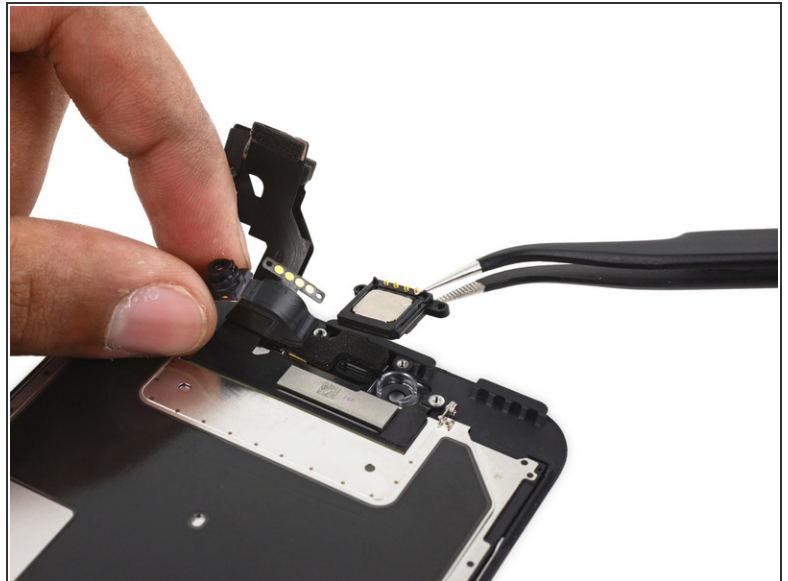
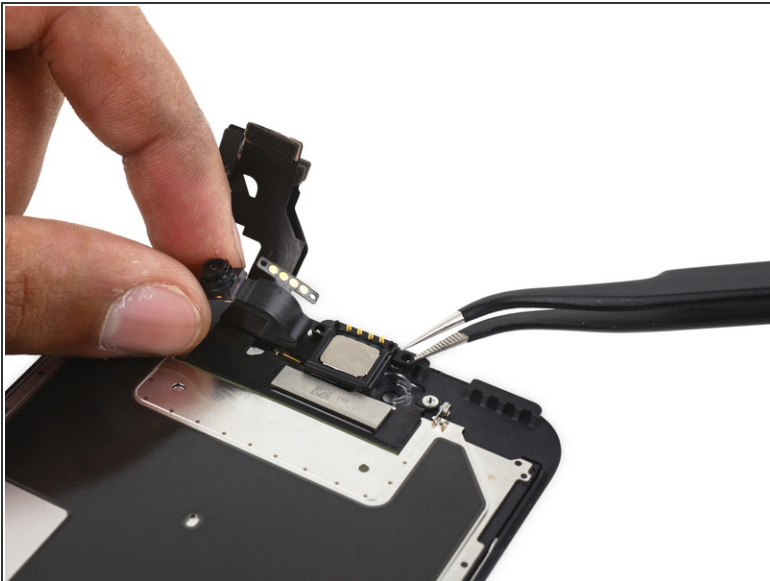
- Remove the earpiece speaker bracket.

Step 30



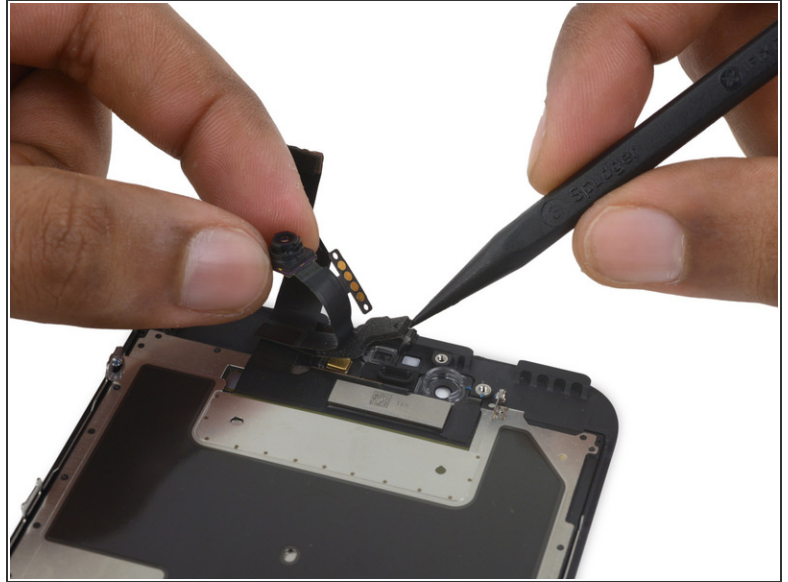
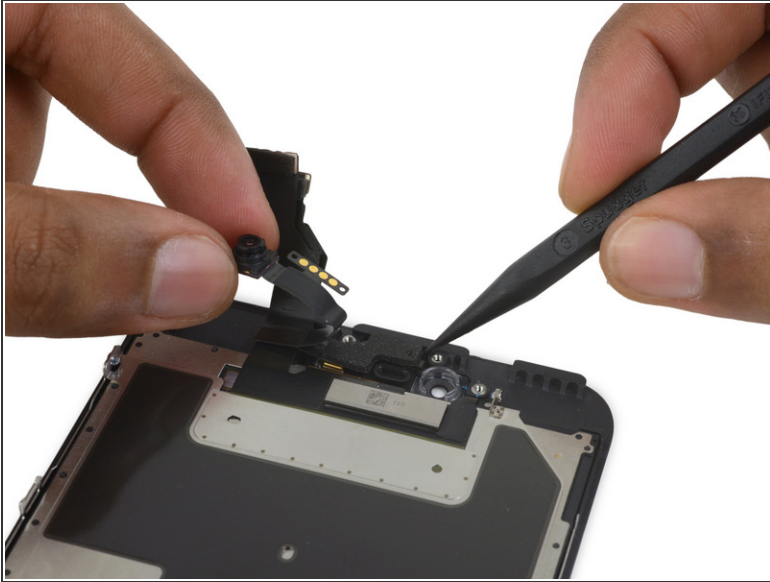
- Use the flat end of a spudger to lift the FaceTime camera out of its housing.

Step 31



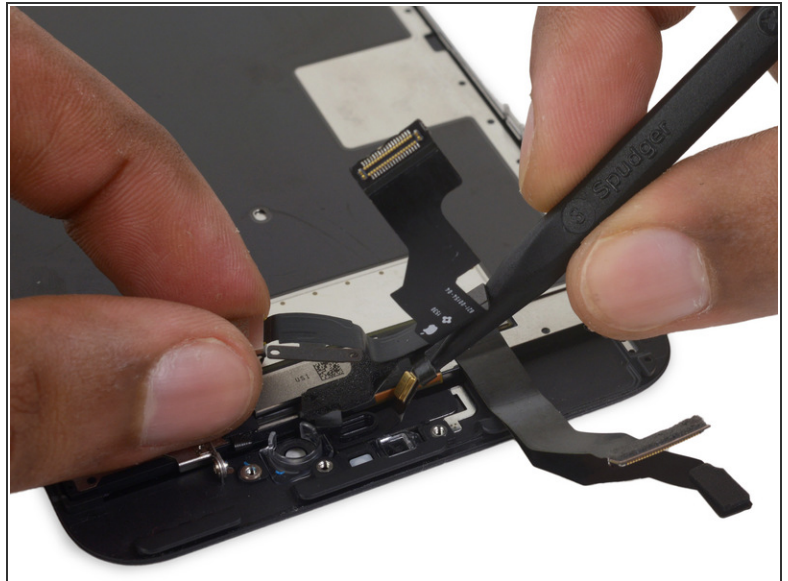
- Pull the FaceTime camera back and remove the earpiece speaker.

Step 32 — FaceTime Camera and Sensor Assembly



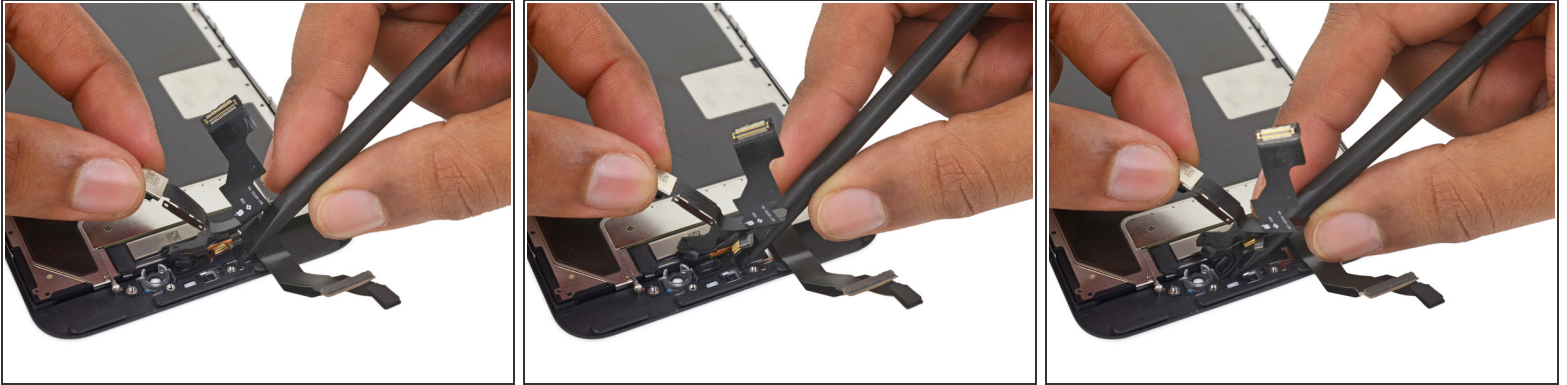
- Use the pointed tip of a spudger to lift the ambient light sensor from its housing in the front panel.

Step 33



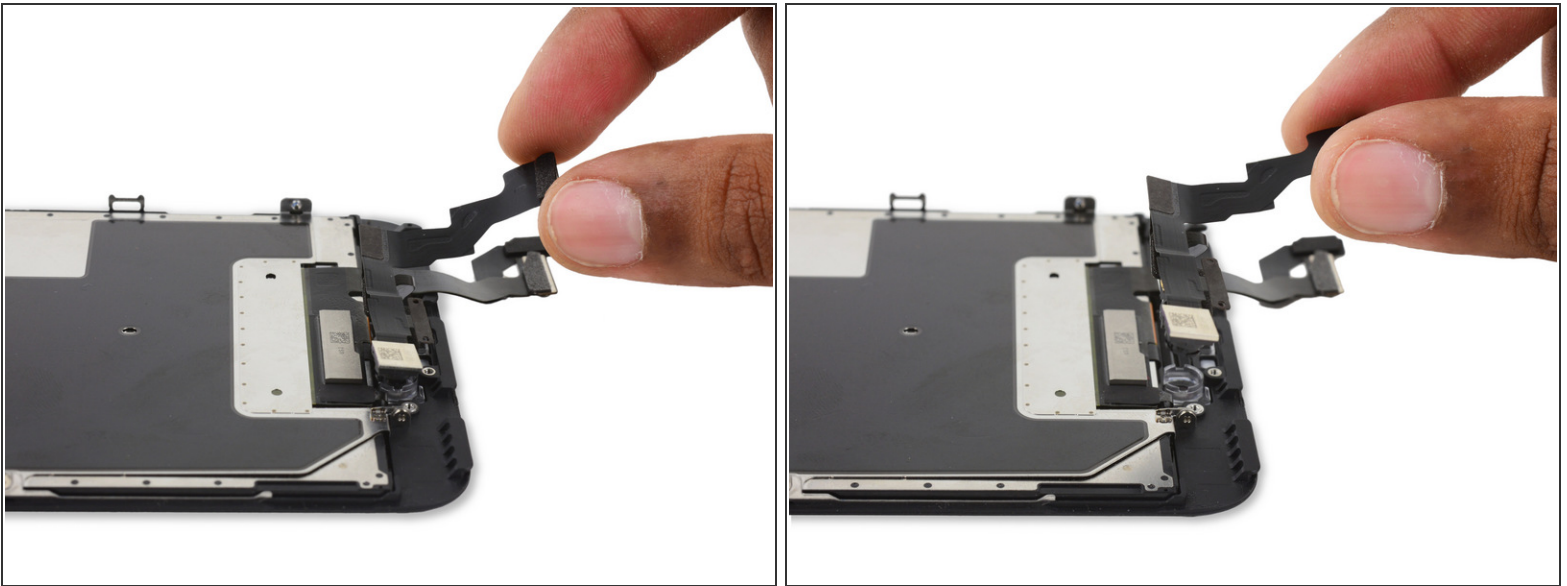
- Insert the pointed tip of a spudger between the microphone flex cable and the front panel to break the adhesive holding it in place.

Step 34



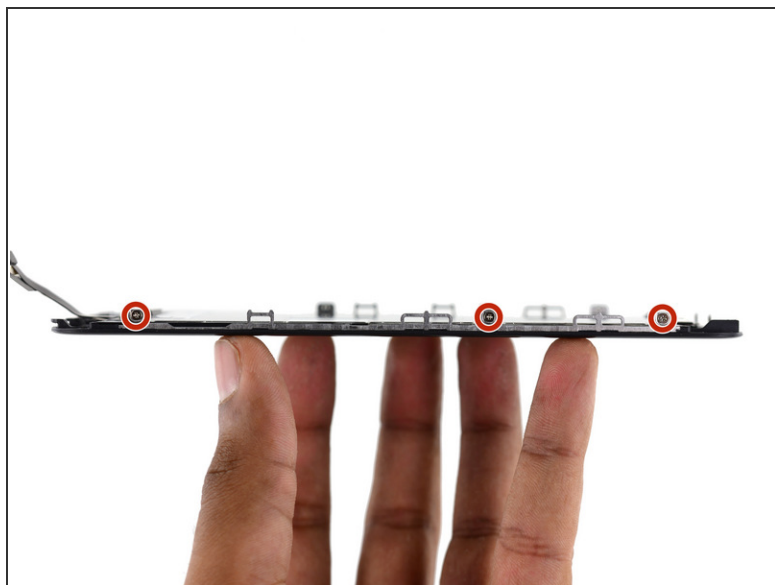
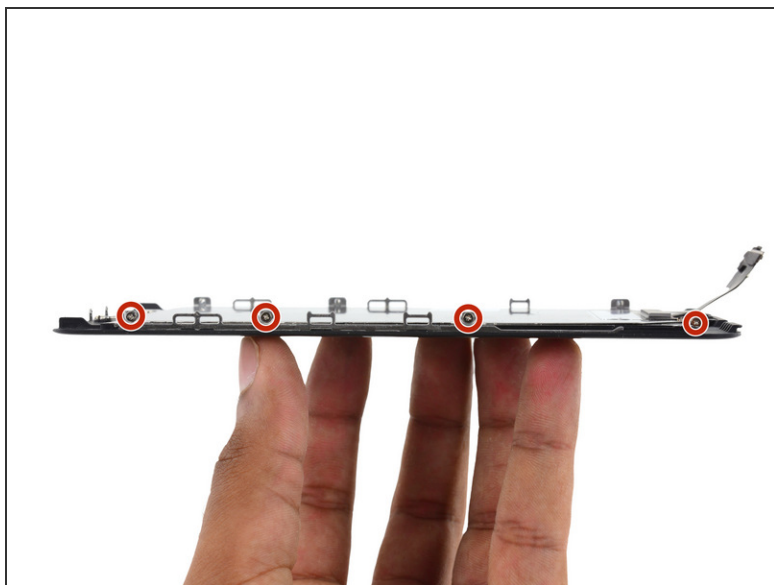
- Use the flat tip of a spudger to lift up the microphone and earpiece gasket.

Step 35



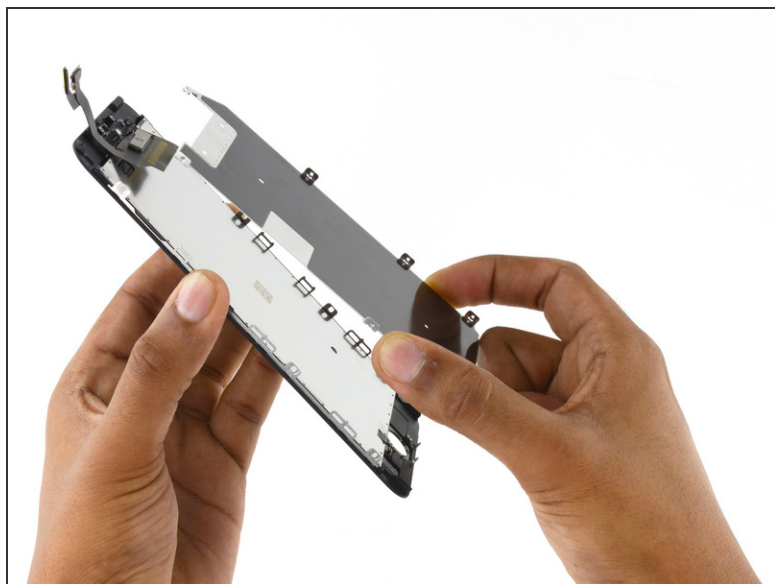
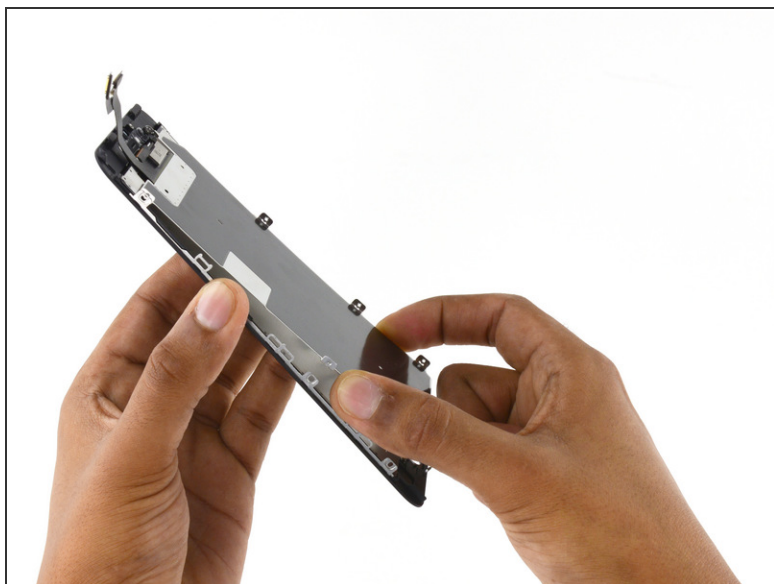
- Remove the FaceTime camera and sensor assembly.

Step 36 — Display EMI Shield



- Remove the seven 1.5 mm Phillips screws holding the display EMI shield in place.
 - ❗ The screw on the far right in the first photo is recessed about 1.8 cm from the edge of the display.

Step 37



- Remove the EMI shield from the front panel.

Step 38 — Front Panel



- Front panel remains.

- ★ The Touch ID function will **ONLY** work with your phone's original home button assembly, so you'll need to transfer the home button assembly from your old display assembly to your new display assembly to retain Touch ID.
- i After reassembly, clean the touchscreen surface with an alcohol wipe prior to turning the iPhone back on. The alcohol helps dissipate any lingering static electricity, which can cause problems with the display.
- ⚠ After reassembly, connect the iPhone to an AC power source before turning it on for the first time. Once the iPhone has booted up successfully, you can disconnect the AC power.

To reassemble your device, follow these instructions in reverse order.

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